

University of Missouri-Columbia Radiochemistry Faculty Development Program In Actinide Chemistry

Executive Summary:

While the Department of Chemistry at the University of Missouri-Columbia has one of the largest graduate radiochemistry programs in the country, the program currently lacks expertise in actinide chemistry. Because actinide chemistry is fundamental to the field of radiochemistry and to the development of the nuclear fuel cycle and nuclear non-proliferation, the Department has recently hired an assistant professor with strong synthetic and theoretical experience in the chemistry of the actinides. Funds are requested from the NRC to aid in the development of the research and education program of this junior faculty member's research and education program. The advantage of investing in a young faculty member at MU is that this individual will be able to draw upon one of the largest, interdisciplinary radiochemistry programs in the country and the large pool of outstanding graduate students that regularly apply to the program.

Principal Investigator: J. David Robertson, RobertsonJo@missouri.edu; Silvia Jurisson; JurissonS@missouri.edu